

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 June 2006 (15.06.2006)

PCT

(10) International Publication Number
WO 2006/062319 A1

(51) International Patent Classification:
A63B 22/02 (2006.01)

(21) International Application Number:
PCT/KR2005/004124

(22) International Filing Date:
5 December 2005 (05.12.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2004-0102228 7 December 2004 (07.12.2004) KR
10-2005-0113996 28 November 2005 (28.11.2005) KR

(71) Applicant and

(72) Inventor: **KIM, Jae-chul** [KR/KR]; Shinsedae GQ Vill.,
A 104-101, Janglim2-dong, Saha-gu, Pusan 604-042 (KR).

(74) Agent: **KIM, Deok-Tae**; Lucky International Patent &
Law Office, 10th Fl., Chungwoo Bldg., 729-14, Yeonsan-
dong, Yeonje-gu, Pusan 611-080 (KR).

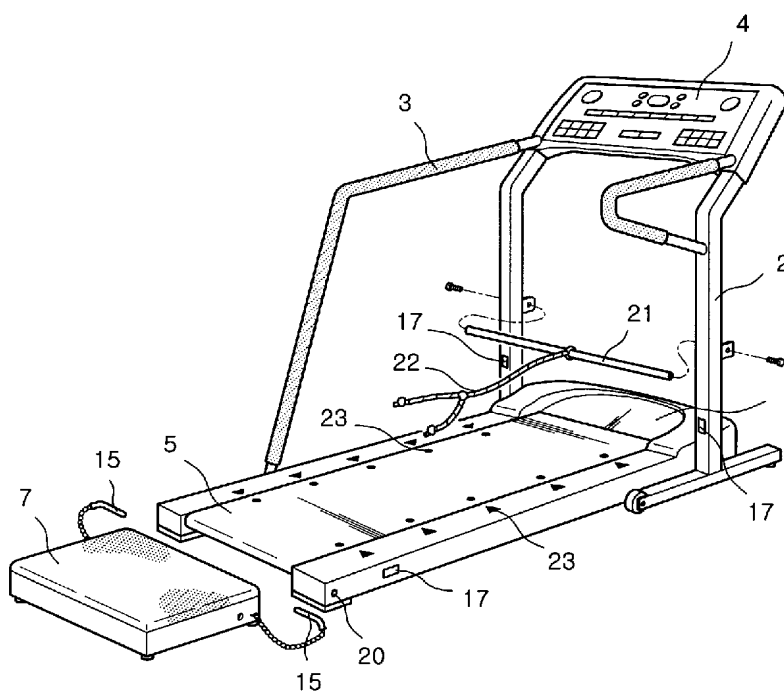
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: A MULTI-FUNCTIONAL RUNNING MACHINE AND ITS CONTROLLING METHOD



(57) Abstract: The present invention relates to a multi-functional running machine and a method for controlling the machine and more particularly to a multi-functional running machine adopted to perform various exercises such as running, walking, wrenching, stretching, stopping and so on in accordance with the condition of user's health or an exercise taste of user by allowing a running belt to reciprocally move by a prescribed distance and permitting user to input directly reciprocating times, reciprocating distance and reciprocating speed of the running belt or use selectively them programmed with various combination and the present invention also relates to a method for controlling the running belt to be reciprocally moved at a predetermined distance. According to the present invention, there are provided with a multi-functional running machine 100 comprising a lower frame 1 installed with a running belt 5 being rotated by motor 13; a support frame installed into the one

side of the lower frame 1; a handle 3 attached to the support frame 2; and a scale plate 4 being characterized in that the running belt 5 is reciprocally moved in a predetermined scope and a method for controlling to be allowed a running belt 5 in a running machine 100 to be reciprocally moved wherein forwarding and reversing rotations of the running belt 5 are controlled by a motor driver 24 to thereby allow the running belt 5 to be reciprocally moved at a predetermined reciprocating length, reciprocating times and reciprocating speed.

WO 2006/062319 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.